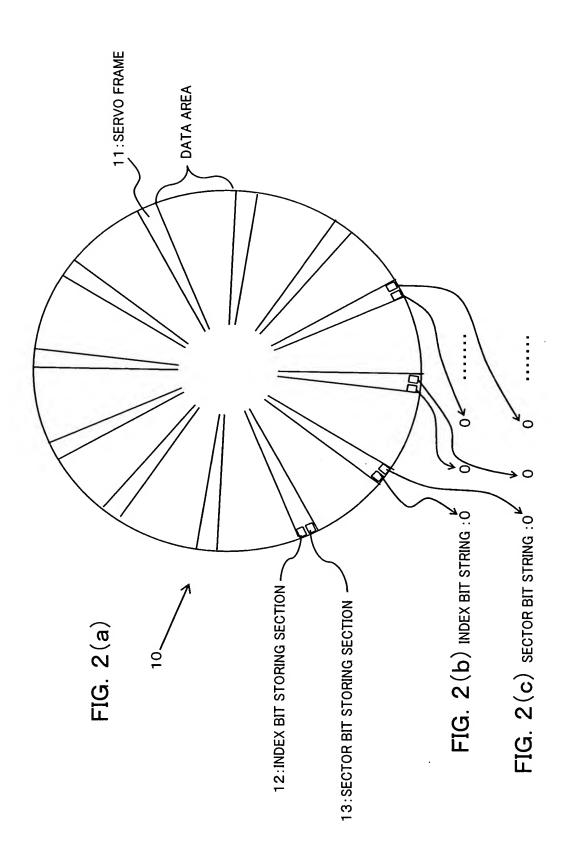


FIG. 1



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Sheet 3 of 14

(Patrick Burns)
(312) 360-0080

FIG. 3

INDEX PATTERN NO.	INDEX PATTERN															
11	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	0
2	0	0	0	0	0	1	1	1	0	0	1	1	0	1	1	0
3	0	0	0	0	0	1	1	1	0	1	0	1	1	0	0	0
4	0	0	0	0	1	0	0	1	1	1	1	0	1	0	0	0
5	0	0	0	0	1	1	0	0	1	0	1	0	1	1	1	1
6	0	0	0	1	0	1	1	0	0	1	0	0	1	1	1	0
7	0	0	0	1	1	1	1	0	0	1	0	1	0	1	0	0
8	0	0	0	1	1	1	1	1	0	0	1	1	0	1	0	1

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SF15	SF33	SF51	SF69	SF86	SF100 SF101 SF102 SF103	F108 SF109 SF1110 SF1112 SF113 SF114 SF115 SF116 SF117 SF118 SF119 SF120	F125 SF126 SF127 SF128 SF139 SF133 SF133 SF133 SF134 SF135 SF136 SF137	F142 SF143 SF144 SF145 SF146 SF147 SF148 SF149 SF150 SF151 SF152 SF153 SF154	0
SF14	SF32	SF50	SF68	SF85	SF102	SF119	SF136	SF153	0
SF13	SF31	SF49	SF67	SF84	SF101	SF118	SF135	SF152	0
SF12	SF30	SF48	SF66	SF83	SF100	SF117	SF134	SF151	1
SF11	SF29	SF47	SF65	SF82	SF99	SF116	SF133	SF150	1
SF10	SF28	SF46	SF64	SF81	864S	SF115	SF132	SF149	1
SF9	SF27	SF45	SF63	SF80	SF97	SF114	SF131	SF148	0
SF8	SF26	SF44	SF62	SF79	964S	SF113	SF130	SF147	1
SF7	SF25	SF43	SF61	SF78	SF95	SF112	SF129	SF146	1
SF6	SF24	SF42	094S	SF77	SF94	SF111	SF128	SF145	0
SF5	SF23	SF41	SF59	SF76	SF93	SF110	SF127	SF144	1
SF4	SF22	SF40	SF58	SF75	SF92	SF109	SF126	SF143	0
SF3	SF21	SF39	SF57	SF74	SF91	SF108	SF125	SF142	0
SF2	SF20	SF38	SF56	SF73	SF90	SF105 SF106 SF107 SI	SF122 SF123 SF124 SI	SF139 SF140 SF141 SI	0
SF1	SF19	SF37	SF55	SF72	SF89	SF106	SF123	SF140	0
SFO	SF18	SF36	SF54	SF71	SF88	SF105	SF122	SF139	0

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Tatsuhiko Kosugi
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Sheet 5 of 14

(Patrick Burns)

FIG. 5

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	HAMMING DISTANCE
INDEX PATTERN 1	-	0	ŏ	_ 0	- 0	1		1	1	0	1	1	1	$\frac{17}{0}$	0	0	DIOTATOL
1-LINE SHIFT	0	0	0	0	0	0	1	0	1	1	0	1	1	1	Ō	0	6
2-LINE SHIFT	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	6
3-LINE SHIFT	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	6
4-LINE SHIFT	1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	8
5-LINE SHIFT	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	8
6-LINE SHIFT	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	10
7-LINE SHIFT	0	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	10
8-LINE SHIFT	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	1	12
9-LINE SHIFT	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1	0	10
10-LINE SHIFT	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1	10
11-LINE SHIFT	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	8
12-LINE SHIFT	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0	8
13-LINE SHIFT	0	0	1	0	1	1	0	1	1	1	0	0	0	0	0	0	6
14-LINE SHIFT	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	0	6
15-LINE SHIFT	0	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	6

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FIG. 6

N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/N/	1	2	3	4	5	6	7	8
1	6	4	4	4	4	5	5	5
2	4	6	5	4	5	4	4	4
3	4	5	6	4	4	4	5	5
4	4	5	4	6	4	4	5	5
5	4	4	4	4	6	4	4	5
6	٠4	4	4	4	5	6	4	4
7	4	4	4	4	4	4	6	4
8	4	4	4	4	4	4	4	6

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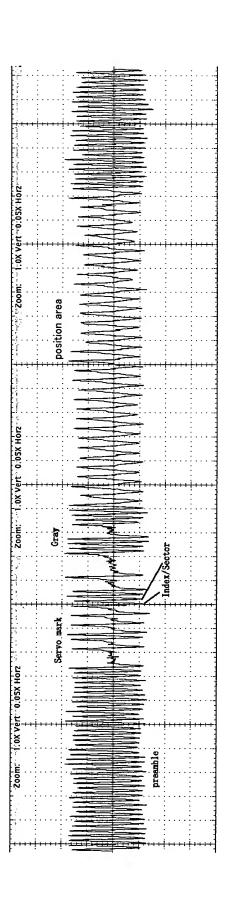
FIG. 7

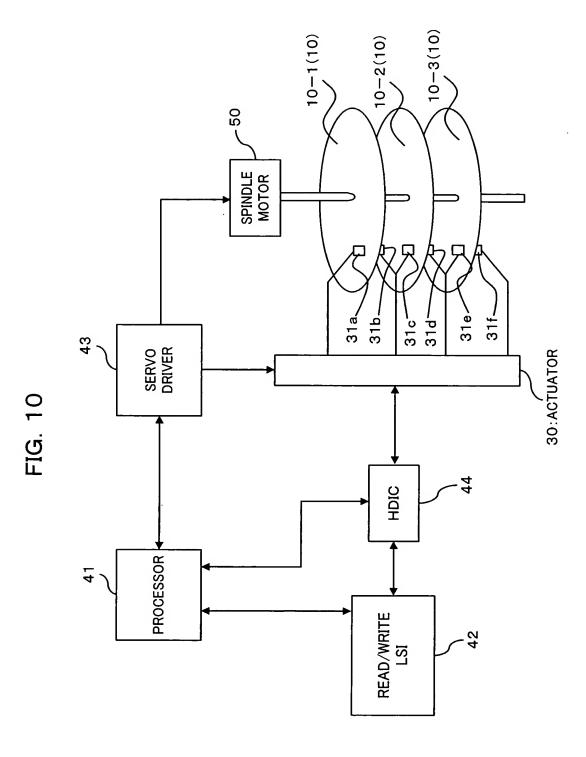
SECTOR PATTERN 1 00001111111100001 SECTOR PATTERN 2 0111111110000010 SECTOR PATTERN 3 011100011100011 SECTOR PATTERN 4 1011110011001001 SECTOR PATTERN 5 1011001100100101 SECTOR PATTERN 6 1100001111000110 SECTOR PATTERN 7 1100110000100111 SECTOR PATTERN 8 1101101010101000 SECTOR PATTERN 9 11010101010101001 SECTOR PATTERN 10 1010010110101010 SECTOR PATTERN 11 10101010010111 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 011010011001101 SECTOR PATTERN 14 000110010110110 SECTOR PATTERN 15 000101101001111 SECTOR PATTERN 16 1110100101111000 SECTOR PATTERN 17 11100110101001 SECTOR PATTERN 18 1001011001101001 SECTOR PATTERN 19 10011001101010 SECTOR PATTERN 19 1001100110110100 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010101011 SECTOR PATTERN 22 001010101101101 SECTOR PATTERN 23 0010010101111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 0011110000111011 SECTOR PATTERN 26 010011001110110 SECTOR PATTERN 27 01000011101101 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111001 SECTOR PATTERN 29 1000000011111001		
SECTOR PATTERN 3 0111000011100011 SECTOR PATTERN 4 101111001100100 SECTOR PATTERN 5 1011001100100101 SECTOR PATTERN 6 1100001111000110 SECTOR PATTERN 7 1100110000100111 SECTOR PATTERN 8 1101101010101000 SECTOR PATTERN 9 110101010101010 SECTOR PATTERN 10 1010010110101010 SECTOR PATTERN 11 101010100100111 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 011010011001101 SECTOR PATTERN 14 00011001101110 SECTOR PATTERN 15 000101101001111 SECTOR PATTERN 16 11101001011110 SECTOR PATTERN 17 111001101001011 SECTOR PATTERN 18 100101100101010 SECTOR PATTERN 19 10011001101010 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010101011 SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 00100101010111 SECTOR PATTERN 24 0011001110100 SECTOR PATTERN 25 001111000011101 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011	SECTOR PATTERN 1	0000111111100001
SECTOR PATTERN 4 101111001100100 SECTOR PATTERN 5 1011001100100101 SECTOR PATTERN 6 11000011111000110 SECTOR PATTERN 7 1100110000100111 SECTOR PATTERN 8 1101101010101000 SECTOR PATTERN 9 110101010101010 SECTOR PATTERN 10 1010010110101010 SECTOR PATTERN 11 101010100100111 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 011010011001101 SECTOR PATTERN 14 000110010110110 SECTOR PATTERN 15 000101101001111 SECTOR PATTERN 16 11101001011110 SECTOR PATTERN 17 111001101010001 SECTOR PATTERN 18 10010110010011 SECTOR PATTERN 19 100110011010101 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010101011 SECTOR PATTERN 22 001010101010111 SECTOR PATTERN 23 001001010101111 SECTOR PATTERN 24 0011001110110 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 01001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 100011111000111001 SECTOR PATTERN 29 100000001111111010	SECTOR PATTERN 2	01111111100000010
SECTOR PATTERN 5 1011001100100101 SECTOR PATTERN 6 1100001111000110 SECTOR PATTERN 7 1100110000100111 SECTOR PATTERN 8 1101101010101000 SECTOR PATTERN 9 110101010101001001 SECTOR PATTERN 10 1010010110100100101 SECTOR PATTERN 11 10100110011001001011 SECTOR PATTERN 12 011001100110011010 SECTOR PATTERN 13 01101001100110101 SECTOR PATTERN 14 0001100101101001110 SECTOR PATTERN 15 0001011010001110 SECTOR PATTERN 16 1110100101010100001 SECTOR PATTERN 17 11100110010101010 SECTOR PATTERN 18 10010110011001001 SECTOR PATTERN 20 010101011011010010 SECTOR PATTERN 21 010101010101010101 SECTOR PATTERN 22 001010101010101011 SECTOR PATTERN 23 001001010101010101 SECTOR PATTERN 24 00110011001101101 SECTOR PATTERN 25 0011110000111011 SECTOR PATTERN 26 0100110011011011 SECTOR PATTERN 28 1000111001110011 SECTOR PATTERN 29 1000000011111100 </td <td>SECTOR PATTERN 3</td> <td>0111000011100011</td>	SECTOR PATTERN 3	0111000011100011
SECTOR PATTERN 6 1100001111000110 SECTOR PATTERN 7 1100110000100111 SECTOR PATTERN 8 1101101010101000 SECTOR PATTERN 9 110101010101001001 SECTOR PATTERN 10 101001011010101010 SECTOR PATTERN 11 10100110010010111 SECTOR PATTERN 12 01100110011001101 SECTOR PATTERN 13 0110100110001101 SECTOR PATTERN 14 0001100100110101 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101100001 SECTOR PATTERN 17 1110011010010010 SECTOR PATTERN 18 10010110011001001 SECTOR PATTERN 19 100110011001010101 SECTOR PATTERN 20 01010101101101000 SECTOR PATTERN 21 010110101010101011 SECTOR PATTERN 22 00101010101010101 SECTOR PATTERN 24 0011001111001001 SECTOR PATTERN 25 0011110000111010 SECTOR PATTERN 26 0100110011011011 SECTOR PATTERN 27 01000011100111010 SECTOR PATTERN 28 1000111000111001 SECTOR PATTERN 29 1000000011111100	SECTOR PATTERN 4	1011110011000100
SECTOR PATTERN 7 1100110000100111 SECTOR PATTERN 8 1101101010101000 SECTOR PATTERN 9 1101010101010101 SECTOR PATTERN 10 101001011010101 SECTOR PATTERN 11 1010101001001011 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 01101001101101 SECTOR PATTERN 14 000110010110110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 111010010111000 SECTOR PATTERN 17 11100110100101 SECTOR PATTERN 18 10010110010101 SECTOR PATTERN 19 10011001100101 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010110110 SECTOR PATTERN 22 001010101011011 SECTOR PATTERN 23 00100101010111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 001111000011101 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 010000110011101 SECTOR PATTERN 27 010000111011	SECTOR PATTERN 5	1011001100100101
SECTOR PATTERN 8 11011010101000 SECTOR PATTERN 9 110101010101001 SECTOR PATTERN 10 1010010110101010 SECTOR PATTERN 11 1010101001001011 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 011010011001101 SECTOR PATTERN 14 000110010110110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 111001101001001 SECTOR PATTERN 18 100101100110010 SECTOR PATTERN 19 100110011010101 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010010101 SECTOR PATTERN 22 00101010101101 SECTOR PATTERN 23 00100101010111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 001111000011101 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 010000110011101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 6	1100001111000110
SECTOR PATTERN 9 110101010100101 SECTOR PATTERN 10 1010010110101010 SECTOR PATTERN 11 1010101001001011 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 0110100110001101 SECTOR PATTERN 14 000110010110110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 111001101001001 SECTOR PATTERN 18 100101100110010 SECTOR PATTERN 19 100110011001001 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 010110101010101 SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 001001010101111 SECTOR PATTERN 24 001100111101100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 01001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100111000 SECTOR PATTERN 29 10000000111111101	SECTOR PATTERN 7	1100110000100111
SECTOR PATTERN 10 10100101101010 SECTOR PATTERN 11 1010101001001011 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 0110100110001101 SECTOR PATTERN 14 0001100101101110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 111001101001001 SECTOR PATTERN 18 100101100101010 SECTOR PATTERN 19 100110011011010 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010101011 SECTOR PATTERN 22 001010101011011 SECTOR PATTERN 23 00100101010111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 01001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 10001111000111001 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 8	1101101010101000
SECTOR PATTERN 11 1010101001001011 SECTOR PATTERN 12 0110011001101100 SECTOR PATTERN 13 0110100110001101 SECTOR PATTERN 14 0001100101101110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 111001101001001 SECTOR PATTERN 18 100101100110010 SECTOR PATTERN 19 100110011001011 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010101011 SECTOR PATTERN 22 001010101010111 SECTOR PATTERN 23 00100101010111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 001111000011101 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 10001111001	SECTOR PATTERN 9	1101010101001001
SECTOR PATTERN 12 0110011001101 SECTOR PATTERN 13 0110100110001101 SECTOR PATTERN 14 0001100101101110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 1110011010010011 SECTOR PATTERN 18 100101100110010 SECTOR PATTERN 19 100110011001011 SECTOR PATTERN 20 010101011011010 SECTOR PATTERN 21 01011010101011 SECTOR PATTERN 22 001010101010111 SECTOR PATTERN 23 001001010101111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 10001111000111001 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 10	1010010110101010
SECTOR PATTERN 13 0110100110001101 SECTOR PATTERN 14 0001100101101110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 1110011010010001 SECTOR PATTERN 18 100101100110010 SECTOR PATTERN 19 1001100110010011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 01011010010101 SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 001001010101111 SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111001 SECTOR PATTERN 28 10001111000111001 SECTOR PATTERN 29 10000000111111101	SECTOR PATTERN 11	1010101001001011
SECTOR PATTERN 14 0001100101101110 SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 1110011010010001 SECTOR PATTERN 18 1001011001110010 SECTOR PATTERN 19 100110011001011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 01011010010101 SECTOR PATTERN 22 001010101010110 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 010000110111101 SECTOR PATTERN 28 10001111000111001 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 12	0110011001101100
SECTOR PATTERN 15 0001011010001111 SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 1110011010010001 SECTOR PATTERN 18 100101100110010 SECTOR PATTERN 19 1001100110010011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 010110101010101 SECTOR PATTERN 22 0010101010101101 SECTOR PATTERN 23 00100101010111 SECTOR PATTERN 24 001100111101100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111001 SECTOR PATTERN 28 100011110011100	SECTOR PATTERN 13	0110100110001101
SECTOR PATTERN 16 1110100101110000 SECTOR PATTERN 17 1110011010010011 SECTOR PATTERN 18 1001011001110010 SECTOR PATTERN 19 100110011001011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 010110101010101 SECTOR PATTERN 22 001010101010110 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 001100111101100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 10001111000111001 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 14	0001100101101110
SECTOR PATTERN 17 1110011010010001 SECTOR PATTERN 18 1001011001110010 SECTOR PATTERN 19 1001100110010011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 0101101001010101 SECTOR PATTERN 22 0010101010101101 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 00110011110100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111001 SECTOR PATTERN 28 10001111000111001	SECTOR PATTERN 15	0001011010001111
SECTOR PATTERN 18 1001011001110010 SECTOR PATTERN 19 1001100110010011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 0101101001010101 SECTOR PATTERN 22 0010101010101101 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 001100111101100 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 010011001101101 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 16	1110100101110000
SECTOR PATTERN 19 100110011001011 SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 0101101001010101 SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 17	1110011010010001
SECTOR PATTERN 20 0101010110110100 SECTOR PATTERN 21 01011010010101 SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 18	1001011001110010
SECTOR PATTERN 21 01011010010101 SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 19	1001100110010011
SECTOR PATTERN 22 0010101010110110 SECTOR PATTERN 23 0010010101010111 SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 20	0101010110110100
SECTOR PATTERN 23 001001010101111 SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 21	0101101001010101
SECTOR PATTERN 24 0011001111011000 SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 22	0010101010110110
SECTOR PATTERN 25 0011110000111001 SECTOR PATTERN 26 0100110011011010 SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 23	0010010101010111
SECTOR PATTERN 26 0100110011010 01 01 01 01 01 01 01 01 0	SECTOR PATTERN 24	0011001111011000
SECTOR PATTERN 27 0100001100111011 SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 25	0011110000111001
SECTOR PATTERN 28 1000111100011100 SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 26	0100110011011010
SECTOR PATTERN 29 1000000011111101	SECTOR PATTERN 27	0100001100111011
	SECTOR PATTERN 28	1000111100011100
SECTOR PATTERN 30 1111000000011110	SECTOR PATTERN 29	1000000011111101
	SECTOR PATTERN 30	1111000000011110
SECTOR PATTERN 31 111111111111111111111111111111111	SECTOR PATTERN 31	1111111111111111
SECTOR PATTERN 32 000000000000000	SECTOR PATTERN 32	000000000000000

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SF15	-	SF33	0	SF51	-	SF69	0	SF86	-	SF103	0	SF120	-	SF137	0	SF154	1
SF14	0	SF32	1	SF50	1	SF68	0	SF85	0	SF102	1	SF119	-	SF136	0	SF153	0
SF13	0	SF31	0	SF49	0	SF67	1	SF84	1	SF100 SF101 SF102	1	7SF118	1	SF135	0	SF152	0
SF12	0	SF30	0	SF48	0	SF66	0	SF83	0	SF100	0	SF117	0	SF134	1	SF150SF151	-
SF11	0	SF29	0	SF47	0	SF65	0	SF82	0	SF99	0	SF116 SF11	0	SF132 SF133	0	SF150	0
SF10	-	SF28	0	SF46	-	SF64	0	SF81	-	SF98	0	SF115	-		-	SF143SF144SF145SF146SF147SF148SF149	0
SF9	-	SF27	0	SF45	1	SF63	-	SF80	0	SF97	1	SF114	0	SF131	0	SF148	-
SF8	-	SF26	0	SF44	-	SF62	-	SF79	0	SF96	-	SF113	0	SF130	—	SF147	0
SF7	-	SF25	1	SF43	0	SF61	0	SF78	-	SF95	1	1SF112	0	SF129	0	SF146	1
SF6	-	SF24	1	SF42	0	SF60	0	SF77	1	SF94	-	SF11	0	SF128	1	SF145	0
SF5	-	SF23	1	SF41	0	SF59	-	SF76	0	SF93	0	108 SF109 SF110	-	SF127	0	SF144	1
SF4	-	SF22	-	SF40	0	SF58	-	SF75	0	SF92	0	SF109	-	SF126	-	SF143	0
SF3	0	SF21	1	SF39	1	SF57	-	SF74	-	SF91	0		0	125	1	SF142	1
SF2	0	SF20	1	SF38	-	SF56	-	SF73	-	SF90	0	SF107	0	SF124	0	SF141	0
SF1	0	SF19	1	SF37	-	SF55	0	SF72	0	SF89	-	SF105SF106SF107SF	-	SF122SF123SF124SF	-	39SF140SF141	1
SFO	0	SF18	0	SF36	0	SF54	-	SF71	-	SF88	1	SF105	-	SF122	-	SF139	1

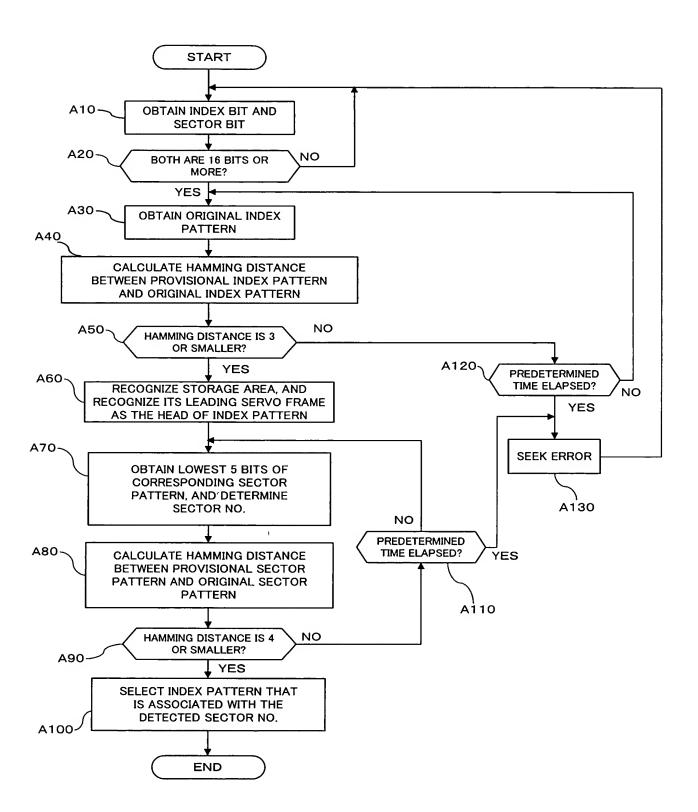






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FIG. 11



STORAGE APPARATUS...
Tatsuhiko Kosugi
Greer, Burns & Crain, Ltd.
Ref. No. 3138.69864
Sheet 12 of 14

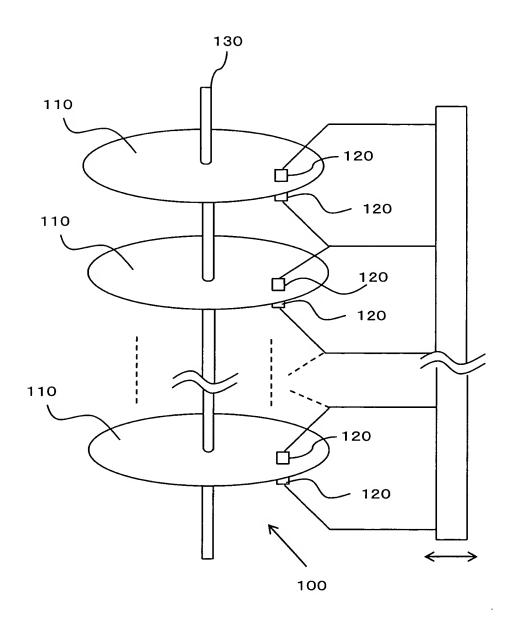
(Patrick Burns)
(312) 360-0080

FIG. 12

SECTOR PATTERN	DECIMAL NUMBER
(BINARY NUMBER SYSTEM)	SYSTEM
00000000000000	0
000000011111111	255
0000111100001111	3855
0000111111110000	4080
0011001100110011	13107
0011001111001100	13260
0011110000111100	15420
0011110011000011	15555
01010101010101	21845
0101010110101010	21930
0101101001011010	23130
0101101010100101	23205
0110011001100110	26214
0110011010011001	26265
0110100101101001	26985
0110100110010110	27030
1001011001101001	38505
1001011010010110	38550
1001100101100110	39270
1001100110011001	39321
1010010101011010	42330
1010010110100101	42405
1010101001010101	43605
10101010101010	43690
1100001100111100	49980
1100001111000011	50115
1100110000110011	52275
1100110011001100	52428
1111000000001111	61455
1111000011110000	61680
1111111100000000	65280
1111111111111111	65535

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FIG. 13 PRIOR ART



111:SERVO FRAME ► DATA AREA FIG. 14 PRIOR ART